

WTC 499.18 DRAWING NUMBER
5/16/90

DRAWING NUMBER

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SMOKE DETECTION PANEL XL No. 11 SCHEDULE 'A' (SINGLE ADDRESS INPUTS)

INPUT		OUTPUT		
ADDRESS	INITIATING DEVICES	ANNUNCIATOR MESSAGES	ACTIVATED RELAYS	ACTIVATED HVAC EQUIPMENT
111101	DUCT SMOKE DETECTOR	E-108-11 EXH FAN SHUTDOWN TWR 2	POX-28-103 POX-21-033	E-108-11 SHUTDOWN ACS-108-10
111102	AREA SMOKE DETECTOR	ACS-108-10 AREA ALARM	POX-21-033	ACS-108-10
111103	DUCT SMOKE DETECTOR	ACS-108-10 DUCT ALARM		
111104	AREA SMOKE DETECTOR	ACS-108-3 AREA ALARM	POX-19-014	ACS-108-3
111105	DUCT SMOKE DETECTOR	ACS-108-3 DUCT ALARM		
111106	AREA SMOKE DETECTOR	ACS-108-8 AREA ALARM	POX-21-031	ACS-108-8
111107	DUCT SMOKE DETECTOR	ACS-108-8 DUCT ALARM		
111108	DUCT SMOKE DETECTOR	ACR-108-8 SHUTDOWN	GROUP A	GROUP A
111109	DUCT SMOKE DETECTOR	ACR-108-7 SHUTDOWN	GROUP A	GROUP A
111110	DUCT SMOKE DETECTOR	E-108-15 EXH FAN SHUTDOWN	POX-29-113	E-108-15
111111	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 SE		
111112	AREA SMOKE DETECTOR	SMOKE IN SUB 108E		
111113	AREA SMOKE DETECTOR		SPX-13-014	ALARM STATIONS
111114	AREA SMOKE DETECTOR			
111115	MANUAL PULL STATION	PULL STATION IN SUB 108E		
111116	MANUAL PULL STATION			
111117	MANUAL PULL STATION			
111201	AREA SMOKE DETECTOR	ACS-108-2 AREA ALARM TWR 2	POX-19-013	ACS-108-2 SHUTDOWN
111202	DUCT SMOKE DETECTOR	ACS-108-2 DUCT ALARM		
111203	AREA SMOKE DETECTOR	ACS-108-7 AREA ALARM	POX-20-024	ACS-108-7
111204	DUCT SMOKE DETECTOR	ACS-108-7 DUCT ALARM		
111205	AREA SMOKE DETECTOR	ACS-108-11 AREA ALARM		
111206	DUCT SMOKE DETECTOR		POX-21-034	ACS-108-11
111207	DUCT SMOKE DETECTOR	ACS-108-11 DUCT ALARM		
111208	DUCT SMOKE DETECTOR			
111209	DUCT SMOKE DETECTOR			
111210	AREA SMOKE DETECTOR	ACS-107-T1 AREA ALARM	POX-22-041	ACS-107-T1
111211	DUCT SMOKE DETECTOR	ACS-107-T1 DUCT ALARM		
111212	DUCT SMOKE DETECTOR	ACR-108-6 SHUTDOWN	GROUP A	GROUP A
111213	DUCT SMOKE DETECTOR	ACR-108-5 SHUTDOWN		
111214	DUCT SMOKE DETECTOR	ACR-107-T1 SHUTDOWN	POX-26-081 POX-22-041 POX-21-034	ACR-107-T1 ACS-107-T1 ACS-108-11
111215	AREA SMOKE DETECTOR	E-108-13 EXH FAN SHUTDOWN	POX-29-111	E-108-13
111216	AREA SMOKE DETECTOR	E-108-10 EXH FAN SHUTDOWN	POX-28-102	E-108-10
111217	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 NE		
		GROUP A	POX-25-071 POX-25-072 POX-25-073 POX-25-074 POX-19-013 POX-19-014 POX-20-024 POX-21-031 POX-21-033	ACR-108-5 SHUTDOWN ACR-108-6 ACR-108-7 ACR-108-8 ACS-108-2 ACS-108-3 ACS-108-7 ACS-108-8 ACS-108-10
111301	DUCT SMOKE DETECTOR	E-108-12 EXH FAN SHUTDOWN TWR 2	POX-28-104	E-108-12 SHUTDOWN
111302	AREA SMOKE DETECTOR	ACS-107-T2 AREA ALARM	POX-22-042	ACS-107-T2
111303	DUCT SMOKE DETECTOR	ACS-107-T2 DUCT ALARM		
111304	AREA SMOKE DETECTOR	ACS-108-9 AREA ALARM	POX-21-032	ACS-108-9
111305	DUCT SMOKE DETECTOR	ACS-108-9 DUCT ALARM		
111306	AREA SMOKE DETECTOR	ACS-108-5 AREA ALARM	POX-20-022	ACS-108-5
111307	DUCT SMOKE DETECTOR	ACS-108-5 DUCT ALARM		
111308	AREA SMOKE DETECTOR	ACS-108-4 AREA ALARM	POX-20-021	ACS-108-4
111309	DUCT SMOKE DETECTOR	ACS-108-4 DUCT ALARM	POX-26-082 POX-22-042 POX-21-034	ACR-107-T2 ACS-107-T2 ACS-108-11
111310	DUCT SMOKE DETECTOR	ACR-107-T2 SHUTDOWN	GROUP B	GROUP B
111311	DUCT SMOKE DETECTOR	ACR-108-1 SHUTDOWN		
111312	DUCT SMOKE DETECTOR	ACR-108-2 SHUTDOWN		
111313	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 SW		
111314	AREA SMOKE DETECTOR			
111315	AREA SMOKE DETECTOR	SMOKE IN SUB 108W		
111316	AREA SMOKE DETECTOR		SPX-14-024	ALARM STATIONS
111317	MANUAL PULL STATION	PULL STATION IN SUB 108W		
111318	MANUAL PULL STATION			
111401	DUCT SMOKE DETECTOR	E-108-14 EXH FAN SHUTDOWN TWR 2	POX-29-112	E-108-14 SHUTDOWN
111402	AREA SMOKE DETECTOR	ACS-108-6 AREA ALARM	POX-20-023	ACS-108-6
111403	DUCT SMOKE DETECTOR	ACS-108-6 DUCT ALARM		
111404	AREA SMOKE DETECTOR	ACS-108-1 AREA ALARM		
111405	DUCT SMOKE DETECTOR	ACS-108-1 DUCT ALARM	POX-19-012	ACS-108-1
111406	DUCT SMOKE DETECTOR	ACR-108-3 SHUTDOWN	GROUP B	GROUP B
111407	DUCT SMOKE DETECTOR	ACR-108-4 SHUTDOWN		
111408	AREA SMOKE DETECTOR	SMOKE IN TEL CLOS 107 NW		
		GROUP B	POX-24-061 POX-24-062 POX-24-063 POX-24-064 POX-19-012 POX-20-021 POX-20-022 POX-20-023 POX-21-032	ACR-108-1 SHUTDOWN ACR-108-2 ACR-108-3 ACR-108-4 ACS-108-1 ACS-108-4 ACS-108-5 ACS-108-6 ACS-108-9
112101	TAMPER SWITCH	TAMPER SWITCH 108 MER TWR 2	N/A	N/A
112102	WATER FLOW SWITCH	WATER FLOW 108 MER	N/A	N/A
112103	PLURGE SWITCH 108 NE	BY-PASS ACTIVATED 7NW	N/A	N/A
112104	PLURGE SWITCH 108 NW	BY-PASS ACTIVATED 7NW	N/A	N/A
112105	PLURGE SWITCH 108 SE	BY-PASS ACTIVATED 7SE	N/A	N/A
112106	PLURGE SWITCH 108 SW	BY-PASS ACTIVATED 7SW	N/A	N/A

SMOKE DETECTION PANEL XL No. 11 SCHEDULE 'B' (DUAL ADDRESS INPUTS)

INPUT			OUTPUT				REMARKS
ADDRESS No. 1	ADDRESS No. 2	INITIATING DEVICES	RESULTING ADDRESS	ANNUNCIATOR MESSAGES	ACTIVATED RELAYS	ACTIVATED HVAC EQUIPMENT	
111102	111103				SPX-16-043 GROUP C	DELUGE SOL VALVE ACS-108-10 GROUP C	
111104	111105				SPX-14-023 GROUP C	DELUGE SOL VALVE ACS-108-3 GROUP C	
111106	111107	POX-31-131			SPX-16-041 GROUP C	DELUGE SOL VALVE ACS-108-8 GROUP C	
		INTERFACE MODULE	111130	SOL VALVE DUMP 108 EAST TWR 2			
111201	111202	TRX-2R-11-7			SPX-14-022 GROUP C	DELUGE SOL VALVE ACS-108-2 GROUP C	
111203	111204				SPX-15-034 GROUP C	DELUGE SOL VALVE ACS-108-7 GROUP C	
111205	111206	POX-32-141			SPX-16-044	DELUGE SOL VALVE ACS-108-11	
111205	111207	INTERFACE MODULE	111230	SOL. VALVE ACS-108-11			
111205	111208	TRX-2R-11-11					
111205	111209						
111210	111211	POX-31-133	111229	SOL. VALVE ACS-107-T1	SPX-17-051 POX-26-081	DELUGE SOL VALVE ACS-107-T1 RETURN AIR FAN ACR-107-T1 SHUTDOWN	
		INTERFACE MODULE					
		TRX-2R-11-9					
				GROUP C	POX-25-071 POX-25-072 POX-25-073 POX-25-074 POX-19-013 POX-19-014 POX-20-024 POX-21-031 POX-21-033	RETURN AIR FAN ACR-108-5 SHUTDOWN RETURN AIR FAN ACR-108-6 RETURN AIR FAN ACR-108-7 RETURN AIR FAN ACR-108-8 SUPPLY FAN ACS-108-2 SUPPLY FAN ACS-108-3 SUPPLY FAN ACS-108-7 SUPPLY FAN ACS-108-8 SUPPLY FAN ACS-108-10	
111302	111303	POX-31-134	111329	SOL. VALVE ACS-107-T2	SPX-17-052 POX-26-082	DELUGE SOL VALVE ACS-107-T2 RETURN AIR FAN ACR-107-T2 SHUTDOWN	
		INTERFACE MODULE					
		TRX-2R-11-10					
111304	111305				SPX-16-042 GROUP D	DELUGE SOL VALVE ACS-108-9 GROUP D	
111306	111307				SPX-15-032 GROUP D	DELUGE SOL VALVE ACS-108-5 GROUP D	
		POX-31-132					
111308	111309	INTERFACE MODULE	111330	SOL VALVE DUMP 108 WEST TWR 2	SPX-15-031 GROUP D	DELUGE SOL VALVE ACS-108-4 GROUP D	
		TRX-2R-11-8					
111402	111403				SPX-15-033 GROUP D	DELUGE SOL VALVE ACS-108-6 GROUP D	
111404	111405				SPX-14-021 GROUP D	DELUGE SOL VALVE ACS-108-1 GROUP D	
				GROUP D	POX-24-061 POX-24-062 POX-24-063 POX-24-064 POX-19-012 POX-20-021 POX-20-022 POX-20-023 POX-21-032	ACR-108-1 SHUTDOWN ACR-108-2 ACR-108-3 ACR-108-4 ACS-108-1 ACS-108-4 ACS-108-5 ACS-108-6 ACS-108-9	

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THE PORT AUTHORITY
OF NY & NJ

ENGINEER OF DESIGN E.D.D., PORTS AND
WORLD TRADE
THOMAS A. BELL
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions

World
Trade
Center

Title
TOWER M.E.R'S
SPRINKLER INSTALLATION
AND MODIFICATION
TO SMOKE DETECTION
SYSTEM

ELECTRICAL
SMOKE DETECTION PANEL
XL No. 11 ANNUNCIATOR
MESSAGE AND
SHUTDOWN SCHEDULE

No. Date Revision Approved

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

DeG3TA/
AVENOSO AVENOSO PALANGO
Designed by Drawn by Task Leader

Checked by

Date 5-16-90 Scale NONE

Contract Number Drawing Number
WTC 499.18 E-26

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